

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the subject application.

Listing of Claims:

1. (Currently Amended) A speech application system, comprising:
 - A. a speech recognition (SR) system configured to receive an audio input and generate a result object representing all possible context-dependent interpretations of said audio input so as to be context independent; set of semantic data representing a plurality of valid interpretations of said audio input, wherein said set of semantic data is represented as a semantic tree instance that is represented by at least one object;
 - B. a speech application script, loaded at the SR system and configured to task said SR system, said application script defining one or more application contexts, said application contexts being represented as categories of interpretation; and a context;
 - C. a semantic data result object evaluator, configured to receive said result object and said one or more application contexts set of semantic data and said context and, as a function thereof, to generate a specific interpretation result corresponding to said audio input, and to return said interpretation result to said application script.
linguistic result corresponding to said audio input, and to return said linguistic result to said application script; and
 - D. ~~a set of reusable object oriented interfaces local to the SR system, said interfaces~~

~~configured to interface said application script with said SR system.~~

2. (Original) A system as in claim 1, wherein one or more of said application script is included in a Web page.
3. (Currently Amended) A system as in claim ~~1~~20, wherein one or more of said interfaces are objects exposed via ActiveX facilities.
4. (Original) A system as in claim 1, wherein said application script includes programming code written in a language chosen from a group of scripting languages comprising
 - (1) Jscript;
 - (2) PerlScript; and
 - (3) VBscript.
5. (Cancelled)
}
6. (Cancelled)
7. (Original) A system as in claim 1, wherein said audio input is received from a device chosen from a group comprising:
 - A. a telephone;
 - B. a cellular telephone;

- C. a personal computer;
- D. an application server; and
- E. an audio receiver.

8. (Original) A system as in claim 1, wherein said audio input is received via a network comprised of one or more wire or wireless networks from a group comprising:

- A. a telephone network;
- B. a cellular telephone network;
- C. a LAN;
- D. a WAN;
- E. a virtual private network;
- F. the Internet; and
- G. the Web.

9. (Original) A system as in claim 1, wherein said plurality of valid interpretations of said audio input includes all valid interpretations of said audio input within said context.

10. (Original) A system as in claim 1, wherein speech application is chosen from a group of interactive speech applications comprising:

- A. consumer survey applications;
- B. Web access applications;
- C. educational applications, including health education applications and computer-

- based lesson applications and testing applications;
- D. screening applications, including patient screening applications and consumer screening applications;
 - E. health risk assessment applications;
 - F. monitoring applications, including health data monitoring applications and consumer preference monitoring applications;
 - G. compliance applications, including applications that generate notifications of compliance related activities, including notifications regarding health or product maintenance;
 - H. test results applications, including applications that provide at least one of lab test results, standardized tests results, consumer product test results, and maintenance results; and
 - I. linking applications, including applications that link two or more of the applications in parts A through H.

Claims 11-18 (Cancelled)

19. (Currently Amended) A method of speech recognition (SR), comprising the steps of:
- A. receiving an audio input with a SR system and generating a result object representing all possible context-dependent interpretations of said audio input so as to be context independent~~set of semantic data representing a plurality of valid interpretations of said audio input, including representing the set of semantic data~~

- ~~as a semantic tree instance that is represented by at least one object;~~
- B ~~defining a context with an application script configured for tasking said SR system~~ one or more application contexts, said application contexts being represented as categories of interpretation; and
- C. receiving said result object and said one or more application contexts and, as a function thereof, generating a specific interpretation result corresponding to said audio input, and to return said interpretation result to said application script.
- ~~interfacing said application script with the SR system via a set of reusable object oriented interfaces local to the SR system; and~~
- D. ~~generating a linguistic result corresponding to said audio input as a function of the set of semantic data and the context and returning said linguistic result to said application script.~~
20. (New) A system according to claim 1, further including a set of reusable object oriented interfaces local to the SR system, said interfaces configured to interface said application script with said SR system.
21. (New) A method according to claim 19, further including interfacing said application script with the SR system via a set of reusable object oriented interfaces local to the SR system.

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